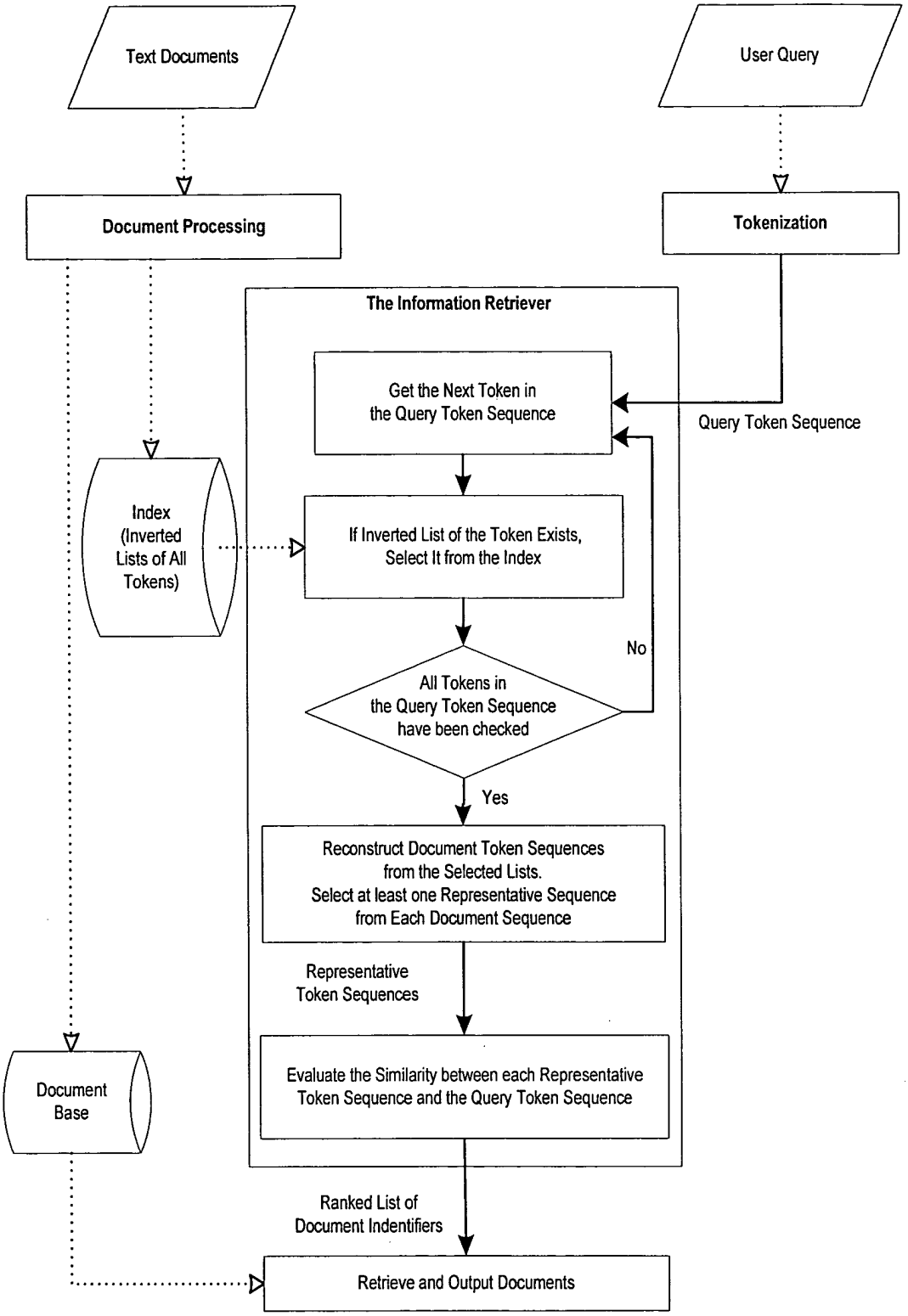
Text Documents
User Query
Document Processing
Tokenization
The Information Retriever
Get the Next Token in the Query Token Sequence
Query Token Sequence
Index (Inverted Lists of All Tokens)
If Inverted List of the Token Exists, Select It from the Index
No
All Tokens in the Query Token Sequence have been checked
Yes
Reconstruct Document Token Sequences from the Selected Lists. Select at least one Representative Sequence from Each Document Sequence
Representative Token Sequences
Document Base
Evaluate the Similarity between each Representative Token Sequence and the Query Token Sequence
Ranked List of Document Indentifiers
Retrieve and Output Documents

FIG. 1